

# HICAP ELEVATOR BUCKETS

## HICAP ELEVATOR BUCKETS UTILIZE THE ENTIRE LENGTH OF THE BELT TO DELIVER THE HIGHEST CONVEYING EFFICIENCY

### Application

Codema HICAP Bottomless Buckets work with existing bucket elevators to increase leg capacities by as much as two to three times without structural changes to the leg.

In new elevators, HICAP Bottomless Buckets can be used to reduce the actual casing size requirements.

HICAP buckets can facilitate fine and granular commodities handled in-house or by marine legs.

### Operation

Codema HICAP elevator buckets provide the most efficient use of your elevator by utilizing a column type conveying principle.

Unlike conventional buckets that require a space between each bucket, HICAP Buckets utilize the full surface of the belt, thereby increasing production capabilities.

This is the most effective and space-saving conveying media since the vertical en-masse conveyor. Commodities can be introduced to the leg boot on either the upside or downside of the casing.

### Specifications

**Material:** All buckets are made of cold-drawn steel for superior strength.

**Weight:** Please contact Codema Team for the weight of individual buckets.

**Drive Requirements:** After receiving a completed HICAP conversion questionnaire, Codema can furnish information regarding motor and drive requirements for the upgraded elevator.

In some instances, replacement of the motor and drive is not required.



## KEY BENEFITS

### ✓ Increased Capacity

HICAP buckets use the entire length of the elevator belt for maximum conveying efficiency.

### ✓ Durable

Cold-drawn steel construction delivers superior wearability.

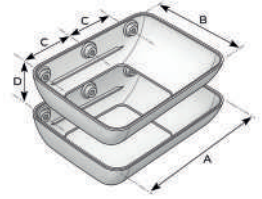
### ✓ Versatile

Engineered to deliver benefits for both new and retrofit elevator installations.

### ✓ Proven

In hundreds of flour mills, feed plants and marine installations.

## DIMENSIONAL DATA



### Standard

Bucket Size	@1 FPM		@300 FPM		@500 FPM		@700 FPM		Dimensions				Bolts	
	cuft/hr	bu/hr	cuft/hr	bu/hr	cuft/hr	bu/hr	cuft/hr	bu/hr	A	B	C	D	Qty	Dia
4 x 4	3.75	3.0	1125	900	1870	1500	2625	2100	4 3/16	4 3/16	2	2 1/4	2	1.4
6 x 4	5.75	4.6	1725	1380	2910	2330	4080	3260	6 3/16	4 3/16	2 3/4	2 1/4	2	1.4
8 x 5	8.70	7.0	2610	2100	4350	3500	6090	4800	8 3/16	5 3/16	3	2 3/4	3	1.4
9 x 6	12.20	9.8	3660	2940	6140	4920	8600	6880	9 1/8	6 1/8	3 1/2	3 1/8	3	5/16
11 x 6	17.50	14.0	5250	4200	8750	7000	12250	9800	11 3/16	6 1/4	2 3/4	3 1/2	4	1.4
12 x 6	22.90	18.3	6870	5490	11450	9150	16030	12810	12 3/16	6 11/16	3	3 7/2	4	5/16
14 x 7	28.20	22.6	8460	6780	14120	11300	19770	15820	14 7/16	6 7/16	3 1/2	4 1/4	4	5/16
18 x 7	40.60	32.5	12180	9750	20300	16250	28400	22750	18 7/16	7 7/16	3 1/2	5 1/8	5	5/16

### Metric

Bucket Size (")	.5m/sec		1.5m/sec		2.0m/sec		3.5m/sec		Dimensions (mm)				Bolts	
	m3/hr	t/hr	m3/hr	t/hr	m3/hr	t/hr	m3/hr	t/hr	A	B	C	D	Qty	Dia
4 x 4	10.9	8.2	32.7	24.6	43.6	32.8	76.3	57.4	106	106	50.8	57	2	1/4"
6 x 4	16.7	12.5	50.1	37.5	66.8	50	116.9	87.5	157	106	69.8	57	2	1/4"
8 x 5	25.5	19.1	76.5	57.3	102	76.4	178.5	133.7	208	132	76.2	70	3	1/4"
9 x 6	35.6	26.7	106.8	80.1	142.4	106.8	249.2	186.9	232	156	88.9	80	3	5/16"
11 x 6	50.9	38.2	152.7	114.6	203.6	152.8	356.3	267.4	284	159	69.9	89	4	1/4"
12 x 6	66.5	49.9	199.5	149.7	266	199.6	465.5	349.3	310	170	76.2	98	4	5/16"
14 x 7	82.1	61.6	246.3	184.8	328.4	246.4	574.7	431.2	367	189	88.9	108	4	5/16"
18 x 7	118.1	88.6	354.3	265.8	472.4	354.4	826.7	620.2	468	189	88.9	130	5	5/16"



Capacity figures for both sets of data are based on the conveying of Wheat. Increased capacities in Retrofit Applications may require the adjustment or replacement of your current drive.

In order to determine the optimal configuration for your particular bucket application, please request a HICAP Questionnaire form.

These are available by mail, fax, and as a downloadable file from our website.